

The Magnetic Properties of the Garnet-Type
Yttrium Ferrite, by R. Aleonard, J. C. Barbier,
R. Pauthenat, 3 pp.

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ATS-98438R

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Recent Observations on the Exciton Line
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IAC INTERNAL USE ONLY

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Layers, by Jean-Jacques Trillat, 4 pp.

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AEC Tr 2878

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Study of the Use of Thermistors for Measuring
Low Pressures, by Milena Varticak, 4 pp.

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3 pp.

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The Application of Autoradiography to the
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Tm, Yb, Lu: EXPERIMENTAL RESULTS. [1950]
660 words.
Order from LSA \$6.85

Trans. of Academie des Sciences, Paris. Comptes
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Also available from SLA microfilm \$1.80, paper \$1.80 as
60-14461, Jan 60, 5p.

For abstract see Technical Translations 3: 813, 1950

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61-12127

I. Ferrites--Magnetic
properties

1. Pauthenet, R.

II. Literature Service
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Sci - Phys

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AEC Tr 2955

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SLA 57-839

Relationship Between the Reduced Thickness of
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*NBS TT 70-57572

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Study of "High Pressure" Polyethylenes by Diffraction
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Metallography - On the Existence of a Plastic
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AEC Tr 3238

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Dufay, Maurice.

PHOTOELECTRIC STUDY OF THE SPECTRUM OF
THE NIGHT SKY BETWEEN 0.7 AND 1.1 μ (Etude
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0.7 et 1.1 μ). [1961] [5p. 8 refs.
Order from SLA \$1.10

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Trans. of Academie des Sciences [Paris]. Comptes
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DESCRIPTORS: *Night sky. *Spectrographic analysis.
Photoelectric cells. Radiation. Infrared filters.
Instrumentation.

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1. Dufay, M.

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Magnetochromatic Effect Induced by the Thermal
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On a Very High Degree of Refining of Uranium by the
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J. Le Hericy and G. Chaudron, 8 pp.

FRENCH, per, Comptes Rendus, Vol CCXLIV, No 8, 18
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SLA 57-3930

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Production of Single Crystals of Barium Titanate,
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AEC Tr 3181

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On the Solubility of Oxygen in Water at High Pressure
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1195.

SLA 57-3169

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A. Nausille, 5 pp.

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BIA 57-3170

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NASA TTR F-9097

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Qualitative Study of the Transmission Spectra
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S. Nikitine, R. Reiss.
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AEC UCRL-Tr-10002

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May 66

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On the Very High Purification of Iron by the Molten
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FRENCH, par, Compt. Rend. (Paris), v. 244,
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SLC 59-18522 5 pp

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FRENCH, per, Comptes Rendus, Vol CCXLIV, 1957,
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NASA TT F-9098

Sci-Phys
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Vol CCXLIV, No 13, 1957, pp 1726-1729

CSIRO Tr 4228

Oct. 62

Agency: Army/ Redstone
NIFR No. 971-60180-00-7016

R-13550-2
2 Aug 71

Title: Observations of the Nocturnal Atmospheric
Luminescence of the Red Line of Oxygen.

Author: Daniel Barbier

Source: Comptes Rendus, 244, 1809-1811 (1957)

Language: French

Special Instructions: Please translate.
Edited draft only.

Role of Structure in the Kinetics of the
Atmospheric Oxidation of Iron, by G. Cizeron.
FRENCH, par, Comptes Rendus Acad Sci, Vol 244,
1957, pp 2047-2050,
*Nat Bur Stand TT 70-57721

Sci-Materials
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NonEmpirical Calculation of Force Constants
and Derivatives of the Dipole Moment, by
S. Bratoz.

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NTC 69-12452-07D

Sci-Chem
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Barbier, Daniel.

INTERPRETATION OF THE NOCTURNAL LUMINES-
CENCE OF THE RED OXYGEN LINE (Interpreta-
tion de la Luminescence Nocturne de la Raie Rouge
de l'Oxygene). [1961] [5]p. 7 refs.
Order from SLA \$1.10

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Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1957 [v. 244] 8 Apr, p. 2077-2080
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: Ionosphere, *Night sky, Lumines-
cence, *Oxygen, Intensity, *Sky brightness.

With the aid of an empiric formula it was possible to
account approximately for the intensity of the red line
on the basis of ionospheric data during the first part
of the night. A supplementary phenomenon, perhaps
the arrival of arctic air, complicated the interpreta-
tion of observations during the second part of the night.
(A Thor)

1. Barbier, D.

(Astronomy--Astrophysics, TT,
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Flow on a Dihedron, by J. P. Guderud.
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NASA TT F-9522

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Eric P. Ferguson, 4 pp.

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SLA 59-10949

Sci - Minerals/Metals
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Vol CXXIV, 1957, pp 2381-2383.

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Sci - Phys
Jul 62

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Study of the Structure of Metal Sul-
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graphy, by C. Rocchiccioli.

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NSA REF-11,644

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Study of the Absorption and Emission of a
Very Thin Layer of CuI at 4.2°K, by
S. Nikitine, R. Reiss,
FRENCH, per, Comptes Rendus, Vol CCXLIV,
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AEC UCRL-Trans-10003

Sci-Chem
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Study of the Complexing Power of a Herbicide,
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FRENCH, per, Compt Rend, Vol CCXLIV, 1957,
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SLA 3444

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Jul 58

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Metallography on the Reabsorption of Vacancies
In Iron Monoxide During the Oxidation of Iron
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REFERENCE, per, Comptes Rendus, Vol CCXLIV, 1957,
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ACS1L 1277

Sci - M/M
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Metallography - Influence of the Purity and the
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of Oxygen in Iron, by R. Sifferlen, C. Bourelrier.

FRENCH, per. Comptes Rendus, Vol 248 CCXLIV, 1957,
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Sci - Engr, M/M
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The Structure of Dicalcium Ferrite and Brownmillerite,
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FRENCH, per, Compt Rend, No 244, 12 Jun 1957, pp
2944-2946.

SLA 58- 369

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Polarising Light Filter for Observation of the
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Sci - Phys

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Photo-Reactions and Apparatus Used in Preparation

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On Metals With Body-Centered Cubic
Structure, by P. Lusasson.
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NASA TT F-10,154

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Remarks on the Definition of Diffusion Flux in
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*NBS TT 70-57561

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Immuno-Electrophoretic Study of Mouse Serum
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5 pp. *by R. French*

FRENCH, per, Comptes Rendus, Vol CCXLV, 1957, pp
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NIH 1-13 *57, 787*
SAH 52-70

Sci - Med

Jan 58

On the Reduction of Plutonyl Sulfate by γ Radiation,
by M. Pages, C. Ferradini, M. Haiscinski, 3 pp.

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AEC Tr 3534

Sci - Nuc Phys
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Evidence for an "Inhomogeneity" of Carbon
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L. Colombier, et al.
FRENCH, per, Comptes Rend. Vol 245,
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SIA 59-10355

Sci - Med
Sep 59
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P. JAEGLE

Diffraction of Soft X-Rays by Two successive Concave
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COMPTES RENDUS ACAD SCI, Vol 245, 1957, pp 1412-1415.

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Metallographic Uses of Hot Hardness, by
Jacques Pomey, Alain Royez, Jean Georges, 7 p.

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Rendus, 1977, Vol CCXLV, No 17, pp 1424-1427.

SLA 59-17737

Sci
Feb 60
Vol 2, No 9

107008

Observation of the Movements of the Paraconical
Pendulum, by Maurice Allais, 6 pp.

FRANCE, par, Comptes Rendus, Vol CCXLV, 13 Nov 1957,
pp 1697-1700.

AEI SCL-T-387

Sci - Phys
May 62

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Effective Cross-Sections of Electrostatic
Interaction in Plasmas. Definitions, by
M. Bayst, 9 pp. UNCL

FRENCH, per, Comptes Rendus, Vol CCXLV, 1957,
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ACSL 1071

Sci - Phys
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Bacteriology. Studies on a Bacterium of Cave Clays
and Ferruginous Deposits, by Caumartin, Victor et al.
FRENCH, per, Comptes Rendus, Vol. 245, pp. 1758-1760,
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WE-France
Sci-B/M
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Harmonic Analysis of the Movements of the Paraconical
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ARC SCL-T-386

Scl - Hays
May 62

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Measurement of Volume Self-Diffusion Constants on
Alpha-Iron by Radioactive Tracers, by

C. Leymanie. 4 pp.

FRENCH, per, C. R. Acad Sci, Vol 245, 1957,
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*NBS TT 70-57562

Sci-Phys

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Mineral Chemistry - On Nitride of Silicon, by
J. Lemaire, M. Billy.

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ACSEL 1242

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The Influence of Small Concentrations of Foreign
Atoms on the Structure of the Iron-Magnetite
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Broken Hill Prop Co Ltd
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Sol - Phys

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Solar Influence, by Maurice Allais, 5 pp.

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AEI SCL-T-383

Sci Phys
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Diffusion in a Cylinder of Finite Length with
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G. Camia.

FRENCH, per, Comptes Rendus Acad Sci, Vol 245,
1957, pp 2218-2221.

*Nat Bur Stand TT 70-57717

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Construction of a Proton Source With Low Arc
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FRENCH, per, Comptus Rendas, Vol CCXLV, 1957,
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AEC UCRL-Trans-574(L)

Sci - Phys
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Application of the Generalized Schuster Test to the Harmonic Analysis of the Azimuths of the Paraconical Pendulum, by Maurice Allais, 5 pp.

FRENCH, per, Comptes Rendus, Vol CCXLV, No 26,
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AEC SCL-T-382

Sci - Astron
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Establishing the Equilibrium Diagrams of Binary
Alloys by Observations of Intermetallic
Diffusion. Application to the System Uranium-
Zirconium by Jean Philibert and Yves Adda, 5 pp/

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2510, 1957. 12/13/57

AEC-tr-5930

Sci - Phys
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